

## Refine Search

### Search Results -

Terms	Documents
((helical or helix or spiral) near5 (groove\$2 or channel\$2 or profile\$2 or surface)) near50 ((attach\$3 or connect\$3 or lock\$3 or interlock\$3 or bond\$3) near10 cast\$3))	35

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L22

Refine Search

Recall Text

Clear

Interrupt

### Search History

DATE: Thursday, July 15, 2004   [Printable Copy](#)   [Create Case](#)

<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
side by side			
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=OR</i>			
<u>L22</u>	((helical or helix or spiral) near5 (groove\$2 or channel\$2 or profile\$2 or surface)) near50 ((attach\$3 or connect\$3 or lock\$3 or interlock\$3 or bond\$3) near10 cast\$3))	35	<u>L22</u>
<u>L21</u>	((helical or helix or spiral) near10 (groove\$2 or channel\$2 or profile\$2 or surface)) near50 ((attach\$3 or connect\$3 or lock\$3 or interlock\$3 or bond\$3) near10 cast\$3))	43	<u>L21</u>
<u>L20</u>	((helical or helix or spiral) near10 (groove\$2 or channel\$2 or profile\$2 or surface)) near100 ((attach\$3 or connect\$3 or lock\$3 or interlock\$3 or bond\$3) near10 cast\$3))	45	<u>L20</u>
<u>L19</u>	((helical or helix or screw or spiral) near10 (groove\$2 or channel\$2 or profile\$2 or surface)) near100 ((attach\$3 or connect\$3 or lock\$3 or interlock\$3 or bond\$3) near10 cast\$3))	228	<u>L19</u>

15 and ((helical or helix or screw or spiral) near10 (groove\$2 or channel\$2 or

<u>L18</u>	profile\$2 or surface)) near100 ((attach\$3 or connect\$3 or lock\$3 or interlock\$3 or bond\$3) near10 cast\$3))	25	<u>L18</u>
<u>L17</u>	15 and ((helical or helix or screw or spiral) near10 (groove\$2 or channel\$2 or profile\$2 or surface)) and ((attach\$3 or connect\$3 or lock\$3 or interlock\$3 or bond\$3) near10 cast\$3)	472	<u>L17</u>
<u>L16</u>	15 and ((helical or helix or screw or spiral) near10 (groove\$2 or channel\$2 or profile\$2 or surface)) and ((attach\$3 or connect\$3 or lock\$3 or interlock\$3 or bond\$3) near20 cast\$3)	602	<u>L16</u>
<u>L15</u>	15 and ((helical or helix or screw or spiral) near10 (groove\$2 or channel\$2 or profile\$2 or surface)) and ((attach\$3 or connect\$3 or lock\$3 or interlock\$3 or bond\$3) near50 cast\$3)	656	<u>L15</u>
<u>L14</u>	15 and ((helical or helix or screw or spiral) near20 (groove\$2 or channel\$2 or profile\$2 or surface)) and ((attach\$3 or connect\$3 or lock\$3 or interlock\$3 or bond\$3) near50 cast\$3)	815	<u>L14</u>
<u>L13</u>	15 and ((helical or helix or screw or spiral) near50 (groove\$2 or channel\$2 or profile\$2 or surface)) and ((attach\$3 or connect\$3 or lock\$3 or interlock\$3 or bond\$3) near50 cast\$3)	899	<u>L13</u>
<u>L12</u>	15 and cast\$3 and ((helical or helix or screw or spiral) near50 (groove\$2 or channel\$2 or profile\$2 or surface)) and (attach\$3 or connect\$3 or lock\$3 or interlock\$3 or bond\$3)	2995	<u>L12</u>
<u>L11</u>	15 and cast\$3 and (helical or helix or screw or spiral) and (groove\$2 or channel\$2 or profile\$2 or surface) and (attach\$3 or connect\$3 or lock\$3 or interlock\$3 or bond\$3)	9471	<u>L11</u>
<u>L10</u>	15 and cast\$3 and (helical or helix or screw or spiral) and (groove\$2 or channel\$2 or profile\$2 or surface)	10194	<u>L10</u>
<u>L9</u>	15 and cast\$3 and (helical or helix or screw or spiral) and (groove\$2 or channel\$2 or profile\$2)	6540	<u>L9</u>
<u>L8</u>	15 and cast\$3 and (helical or helix or screw) and (groove\$2 or channel\$2 or profile\$2)	6045	<u>L8</u>
<u>L7</u>	15 and cast\$3 and (helical or helix or screw)	10436	<u>L7</u>
<u>L6</u>	15 and cast\$3 and (helical or screw)	10317	<u>L6</u>
<u>L5</u>	11 or 12 or 13 or 14	345933	<u>L5</u>
<u>L4</u>	B22D019/\$.ipc.	13907	<u>L4</u>
<u>L3</u>	418/\$.ccls.	37248	<u>L3</u>
<u>L2</u>	29/\$.ccls.	234224	<u>L2</u>
<u>L1</u>	164/\$.ccls.	66873	<u>L1</u>

END OF SEARCH HISTORY

	Type	Hits	Search Text	DBs	Time Stamp
1	IS&R	299	(164/111).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/15 14:33
2	IS&R	68	(("3746086") or ("0731748") or ("1682590") or ("2903763") or ("3073290") or ("3276082") or ("4122596") or ("2868442") or ("3015283") or ("4490102") or ("4620507") or ("4643145") or ("4621674") or ("4630345") or ("4899799") or ("5079825") or ("5168964") or ("5169054") or ("5188023") or ("5226469") or ("5291862") or ("5358026") or ("5165881") or ("5816710") or ("5910377") or ("5957103") or ("5560206") or ("6074763") or ("6076971") or ("6279222") or ("6286583") or ("6427754") or	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/15 14:33